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(54) RADIO BASE STATION, RADIO TERMINAL, RADIO COMMUNICATION SYSTEM AND ITS CARRIER ASSIGNMENT CONTROL METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To decrease the sampling speed of an A/D converter and to reduce power consumption at a radio terminal by selecting a narrow band for a channel selection filter in the radio terminal.

SOLUTION: Carriers of a request number which are adjacent to each other on a frequency axis are assigned to each terminal, and moreover the assignment of the carriers to each terminal is controlled so that the assigned carrier groups of each terminal are adjacent to each other on the frequency axis. A radio terminal receiver is provided with a channel selection BPF 205, whose pass band is freely variable and with an A/D converter 206 whose sampling speed is freely variable and the passband of the channel selection BPF 205 and the sampling speed of the A/D converter 206 are controlled, depending on the carrier assigned to its own station.

